

IN THE CLAIMS:

Please amend Claims 1-4 as set forth below.

A complete listing of all claims and their current status is presented below. In the changes made to the claims by the current amendment, deletions are double bracketed (e.g., ~~[[deletions]]~~) or shown by strikethrough (e.g., ~~deletions~~), and additions are underlined (e.g., additions).

1. (Currently Amended) A ~~[[P]]~~precision dendrometer, of the type based on the use of extension measurement bands as resistances for a Wheatstone Bridge type circuit, ~~[[that]]~~said dendrometer consisting~~[[s]]~~ of:

a sensor holder that serves as a part for securing the dendrometer to a plant; and
~~[[, the]]~~

an electronic interface ~~[[that]]~~connecting~~[[s it]]~~ the sensor holder to ~~[[the]]~~a data collector equipment and a sensor;

~~characterised wherein~~ ~~[[that]]~~said sensor ~~[[is formed by]]~~ comprises a cylindrical body (13) of aluminium, the cylindrical body (13) of aluminum coupled to ~~[[which one]]~~ a first end of an aluminium sheet (10) on which the extension measurement bands are mounted, ~~is fixed~~; ~~[[the other]]~~a second end of the aluminium ~~[[band]]~~sheet (10) ~~[[being in]]~~contacting ~~[[with]]~~the plant (18), and wherein said sensor is configured to determine~~[[ing]] a dimensional variation of the plant according to, by means of the a~~ pressure exerted by ~~[[this latter]]~~ the plant, ~~its dimensional variations~~.

2. (Currently Amended) The ~~[[P]]~~precision dendrometer ~~of, according to the~~ ~~previous claim 1, wherein characterised in that the~~ second end of the aluminium sheet (10) in

~~contact with the plant~~ has a double bend with convergent side edges, forming a[[n]] substantially
~~approximately triangular-angular and rounded end (11).~~

3. (Currently Amended) The [[P]]precision dendrometer ~~of, according to~~ claim 1,
wherein characterised in that the sensor holder (15) comprises:

~~has a part with~~ a cylindrical cavity configured to hold ~~where the cylindrical body~~
(13) of aluminum ~~the sensor is housed and held;~~ and

a ~~number~~ plurality of rods (16) acting as feet ~~being connected with said part of the~~
~~sensor holder (15), and at least one of the plurality of rods is coupled to which a part~~
(17)[[,]] for adjusting and securing the precision dendrometer to the plant (8) ~~in which the~~
~~dendrometer is installed, is linked.~~

4. (Currently Amended) The [[P]]precision dendrometer ~~of, according to~~ claim 3,
wherein characterised in that the plurality of rods (16) are fabricated from material that has a
zero coefficient of expansion, to allow the constant variation microns of the plant (18) to be
measured.